•	Work Order ID 83288 4pril-16-12 2:29:38 PM			*83288*							·•.	Page 1
Item ID: D350-748-241TRN Revision ID: Item Name: Crosstube Turning Detail				Accept	*N900	040	100) *	Setup S	tart 🛧	NS NC	
Start Date: 16/04/2012 Start Qty: 1.00 Required Date: 30/04/2012 Req'd Qty: 1.00 Reference:		*1* *1*		Cust Item ID: Customér:				•	•.	14.7/		
Approvals: Process Plan: MC5 QC:		n: MG	Date: 17/04/10 Tooling: Date: SPC (Y/N):		Date:Date:					tart *	NR NR	11* 22*
Sequence ID/ Work Center ID Draw Nbr	Rev	Operation Description ision Nbr	7.	Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Rejec Numl		nsp. tamp
D350-748-241	F			0.00								· · ·

Mori Seiki CNC Lathe Large

1-Fill tube with sand & install plugs on both ends as per Folio FA647

2-Turn first side as per Folio FA647 3- File transition lines smooth.

FOLIO REV:_

MORI SEIKI CNC LATHE LARGE

Memo

DWG REV:___

110

QC1- Inspect dimensions to dimension sheet

0.00

0.00

110

QC

Mori Seiki

Memo

0.00

Quality Control

W/O:			W	ORK ORDER CHANG	GES			•	-
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
						-			
								.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Part No	•	PAR #:	Fault Cat	egory:	NCR: Ye	s No DC	A:	Date: _	
	Re	esolution:	Dispositi	on:	QA: N/C	Closed:		Date: _	
NCR:			WORK ORI	DER NON-CONFORM	ANCE (NO	R)			
DATE	STEP	Description of NC			ction B		cation	Approval	Approval
		Section A	Initial Chief Eng	Action Description Chief Eng	Sigr Da	te Sec	tion C	Chief Eng	QC inspector
								_	
,									
							·		

0.00

Memo

QC

Quality Control

W/O:			ORK ORDER CHANG	NGES							
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
			·			····	<u> </u>				
					ļ.						
Part No	:	PAR #:	Fault Cat	egory:	_ NCR: Yes	No DQ	A:	Date: _			
	R	esolution:	Dispositi	on:	_ QA: N/C C	losed:		Date: _			
NCR:		V	VORK ORE	DER NON-CONFORMA	ANCE (NC	R)					
DATE	STEP	Description of NC			ion B	Verific	cation	Approval	Approval		
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		ion C	Chief Eng	QC Inspector		
		·									
							· · · · · · · · · · · · · · · · · · ·				
. ,			_								

Dart	Aeros	pace	Ltd
-------------	--------------	------	-----

W/O:	83288	WORK ORDER C	WORK ORDER CHANGES									
DAT	TE STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
		3 .										

Part No: \$\overline{\mathbb{D350-748-241TRN}} PAR #:	Fault Category:	X-tube	NCR Yes No	DQA D	ate: <u>/4/04/28</u>
Resolution:	Disposition:	Reusente	QA: N/C Closed	`. y `	ate: 12 7

1546	WORK ORDER NON-CONFORMANCE (NCR)										
	Description of NC		Corrective Action Section B		Verification	Approval	Approval				
STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector				
lists	Cuff machined to	P	Acceptable.	TW	7	P					
iuu	\$2,190 along 0.680"	12.05,02	GRIND SMOOTH	17-05-08	0,1	12.05.02	0, -				
	long area at end of cuff	P51642		12 00 3	7/13/02	PS1642	12/05/0				
	Small step at END culy from 200 tube.										
	Re allest on morb.										
							•				
	·										
		STEP Description of NC Section A	STEP Description of NC Section A Initial Chief Eng INITIAL Chief Eng	STEP Description of NC Section A Initial Chief Eng Cuff machined to P 2.190 along 0.080" long area at end of cuff Corrective Action Section B Action Description Chief Eng Action Description Chief Eng Acceptable. GRIND SMOOTH Agree at end of cuff Assure Corrective Action Section B Action Description Chief Eng Acceptable.	STEP Description of NC Section A Initial Chief Eng Corrective Action Section B Initial Chief Eng Corrective Action Section B Sign & Date Action Description Chief Eng Action Descr	STEP Description of NC Section A Initial Chief Eng Chie	STEP Description of NC Section A Initial Chief Eng Corrective Action Section B Verification Section C Approval Chief Eng Corrective Action Section B Verification Section C Approval Chief Eng Chief Eng Corrective Action Section B Verification Section C Chief Eng Chief Eng Chief Eng Corrective Action Section B Verification Section C Chief Eng Chief Eng Chief Eng Corrective Action Section B Verification Section C Chief Eng Chief Eng Chief Eng Corrective Action Section B Verification Section C Chief Eng Chief Eng Corrective Action Section B III Chief Eng Chief Eng Chief Eng Chief Eng Corrective Action Section B Verification Section C Chief Eng Chief Eng Corrective Action Section B III Chief Eng Chief Eng Corrective Action Section B Corrective Action B Approval Chief Eng Corrective Action B Correcti				

April-16-12 2:29:38 PM

Item ID:	D350-748-241TRN
Revision ID:	
Item Name:	Crosstube Turning Detail

0-748-241TRN Accept

N900040100

Setup Start

Start Date: Required Date: 30/04/2012 **Req'd Qty:** 1.00

16/04/2012

QC:

Start Qty: 1.00

Date: _____

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Run

Stop

Sequence ID/ **Work Center ID** Operation **Description**

Large Fab

Set Up/ **Run Hours** 0.00

Tool ID

16899

Tool # Plan Code

Accept Qty Qty

Reject Reject Number Stamp

Insp.

150 *150*

Crosstubes

Crosstubes

Memo

Grind machining marks.

0.00

0.00

160

160 Outsource1

Outsource process - Heat Treat

Outsource process - Heat Treat

Issue P

Heat Treat to min 180 K\$ As per Dwg D350-748-241

Sand Blast tube after Heat Treat Possibe Supplier Vac Aero

Ensure Certificate of Conformity is attached

170

Receive & Inspect for Damage & Mat'l Certs

0.00

170

Packaging

Memo

0.00

Packaging

Ensure certificate of conformaty is attached

-41170	.oopacc .	H-14							,
W/O:			WC	RK ORDER CHANG	ES		,		
DATE	STEP		OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cated		NCR: Yes	No DQ	A:	 Date:	<u></u>
		solution:							
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCF	R)			
DATE	STEP	Description of NC	Corrective Action		on B	Verific	ation	Approval	Approval
DATE	SIEP	P Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Secti	on C	Chief Eng	QC Inspector
			·						

0.00

0.00

QC21- Final Inspection - Work Order Release

Memo

200

Quality Control

1206-25

W/O:		WORK ORDER CHANGES											
DATE	STEP	PRO	CEDURE CH	IANGE	Ву	Dat	te Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
	<u>.</u>							i.					
•													
Part No		PAR #:	Fault Ca	tegory:	_ NCR: Ye	s No	DQA:	Date: _					
	R	esolution:	Disposit	ion:	_ QA: N/C	Closed:	:	Date: _					
NCR:		W	ORK OR	DER NON-CONFORMA	ANCE (NO	CR)							
DATE	STEP	Description of NC		ion B	_ 0	erification	Approval	Approval					
	O L	Section A	Initial Chief Eng	Action Description Chief Eng	Sig Da		Section C	Chief Eng	QC Inspector				
							ŕ						
,													
				, , , , , , , , , , , , , , , , , , , ,			·						

Picklist Print

April-16-12 2:29:43 PM

Work Order ID: 83288

D350-748-241TRN

Parent Item Name: Crosstube Turning Detail

83288

D350-748-241TRN

Start Date: 16/04/2012

Required Date: 30/04/2012

Page 1

Start Qty: 1.00

Required Qty: 1.00

Comments:

Parent Item:

IPP Rev:A New Issue 08-03-06 DD verified by:ec

IPP Rev B Removed polish 08.04.02 EC verified by : DD

IPP Rev C Removed LPS-3 08.06.23 Ec verified by: DD IPP Rev D

11.02.24 as per dwg rev.F DD verf: JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D6015-125		Manufactured	No			120	Each	44.0000	1	1	_ ··· <u></u> ··· ·		
*DEM 5 10) [*								4-4-				

WX 26018-125

Crosstube Material

Location Loc Qty HALL 44 61380 72511 40

KC 12-4-20

Loc Code

32913

	•									,
W/O:			WC	ORK ORDER CHANG	ES					
DATE	STEP	PR	OCEDURE CHA	NGE	E	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			•							
		` .								
Part No	•	PAR #:	Fault Cate	gory:	_ NCR:	Yes N	lo DQ	A:	_ Date: _	
		solution:								
NCR:			WORK ORDI	ER NON-CONFORM	ANCE (NCR)				•
DATE	STEP	Description of NC Corrective Action			Section B			ation	Approval	Approval
	JILI	Section A	Initial Chief Eng	Action Description Chief Eng		ign & Date	Section C		Chief Eng	QC Inspector
		·								÷
							,			
								•		i
				·						

DART AEROSPACE LTD	Work Order:	83288
Description: Crosstube Assembly (AS350/355 High Aft)	Part Number:	D350-748-241
Inspection Dwg: D350-748-241 Rev: F		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

Inspection Sheet Drawing Dimension		Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
	2.240	+0.005/-0.000	2.241			vern	CWC-08
	2.180	+0.005/-0.000	2-185	1		1	2000 08
Ŀ	2.180	+0.005/-0.000	2.185				
	2.208	+0.005/-0.000	2213				
L	2.234	+0.005/-0.000	2-238				
_ ر	2.253	+0.005/-0.000	2,266	/			
H F	2.272	+0.005/-0.000	2.277				
SIDE	2.299	+0.005/-0.000	2-299			J	
	0.063	+/-0.010	-663			VCVA	CNC-06
	4.26	+/-0.030	4-26		<u> </u>	11	CV, C-00
	R0.063	+/-0.010	.063			RG	
	R0.50	+/-0.030	~50D	/		11	
	2.240	+0.005/-0.000	2.247			vers	0.4/
	2.180	+0.005/-0.000	2.185			1	CNC-68
	2:180	+0.005/-0.000	9.185	- /			
	2.208	+0.005/-0.000	2.213			 	
	2.234	+0.005/-0.000	2-235			- - 	
	2.253	+0.005/-0.000	2255				
<u>ш</u>	2.272	+0.005/-0.000	2.277				·
SIDE	2.299	+0.005/-0.000	2.299			<u> </u>	
	0.063	+/-0.010	.063			vers	CLAIR OC
	4.26	+/-0.030	4.26			11	CW(-08
	R0.063	+/-0.010	-063			RG	
. [R0.50	+/-0.030	.500			()	
+	122.70	+/-0.060	122.70			tapp	mm.L-O

			10//////	- 00
Measured by: MM. L	Audited by:		Preliminary Approval:	
Date: 12/04/21	Date:	25-3	Date:	

Rev	Date	Change	Revised by Approved
A	07.01.17	New Issue (P/O D350-748-201)	KJ/JLM (
В	12.02.02	Dwg Rev updated	KJ ON N

W/O:		WORK ORDER CHANGES	4			
DATE	STEP	PROCEDURE CHANGE	Ву	Date C	Approval Chief Eng / Prod.Mgr	Approval QC Inspector
					Time through the law to the	
200 mg/m						
	L.,,,,,,			<u> </u>		

Part No:	PAR #: Fault Catego	ory: NCR: Yes No	DQA: Date:
Resolution:	Disposition:	: QA: N/C Close	d: Date:

NCR:		•	WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B		Verification	Approval Chief Eng	Approval			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		QC Inspector			
-											
						·					

Æ

8

ltem	Qty -241	Part Number	Description
11	х	D350-748-241	CROSSTUBE ASSEMBLY (AS 350/355 HI AFT)
2	1	D6015-125	CROSSTUBE (OR D6018-125)
3	2	D3502-1	SUPPORT
4	2	D2856-400-710	ABRASION STRIP
5	1	AELS-1032-225	INSERT
6	1	NAS1149D0363J	WASHER (OR AN960JD10)
7	2	MS21920-20	CLAMP (PER DART SPEC. M-MS21920-20)
8	1	MS27039-1-10	SCREW

GENERAL NOTES:

1) MATERIAL: MANUFACTURED FROM D6015-125 OR D6018-125

FINISHED LENGTH = 122.700±0.06

2) FINISH: MAGNETIC PARTICLE INSPECT PER DART QSI 038 4.2 CADMIUM PLATE PER AMS-QQ-P-416B, CLASS 1, TYPE II PRIME INSIDE AND OUTSIDE PER DART QSI 005 4.2 PAINT OUTSIDE PER DART QSI 005 4.2

- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- UNITS: INCHES UNLESS OTHERWISE NOTED.

BREAK SHARP EDGES: 0.005 TO 0.010 MAX

- IDENTIFICATION: DART PART NUMBER "D350-748-241" AND BATCH NUMBER ON INSIDE OF CUFF PER DART QSI 044 6.4 (VIBRATING STYLUS)
- WEIGHT: 29,85 lbs

PART IS SYMMETRIC ABOUT CENTERLINE, EXCEPT FOR Ø0.297 HOLE.

- RUN CUTTER OFF PART WHERE INDICATED. BLEND OUT ALL EDGES FROM MACHINING LONGITUDINALY, TRANSITION SHOULD BE SMOOTH. NOTE: ALL HOLES ARE DRILLED AFTER BENDING.
- 10) BEND PROGRESSIVELY WITH A MINIMUM OF 7 PASSES. MAXIMUM TUBE FLATTENING DUE TO BENDING IS 6% BASED ON O.D.

- 11) HEAT TREAT TO MIN. 180 KSI PER MIL-T-6736 OR AMS 2759-1C AFTER TURNING, ACCEPTABLE TO VERIFY TENSILE STRENGTH BY HARDNESS TEST PER ASTM E18 TO 40-45 HRC.
- 12) INSTALL D2856-400-710 ABRASION STRIPS WITH A GAP ON BOTTOM SIDE OF CROSSTUBE. CENTERED OPPOSITE D3502-1 SUPPORT, PER QSI 035.
- 13) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE. WHEN DRILLING HOLES EXTREME CARE MUST BE TAKEN AND CAREFUL DEBURRING PERFORMED TO ENSURE A CLEAN HOLE WITH NO CRACKING/CHIPPING/GROOVES.
- 14) TORQUE CLAMPS 60 TO 80 IN-LB. ENSURE AT LEAST 1.5 THREADS SHOWING IN SAFETY AND THAT NUT HAS NOT BOTTOMED-OUT AFTER TORQUING.

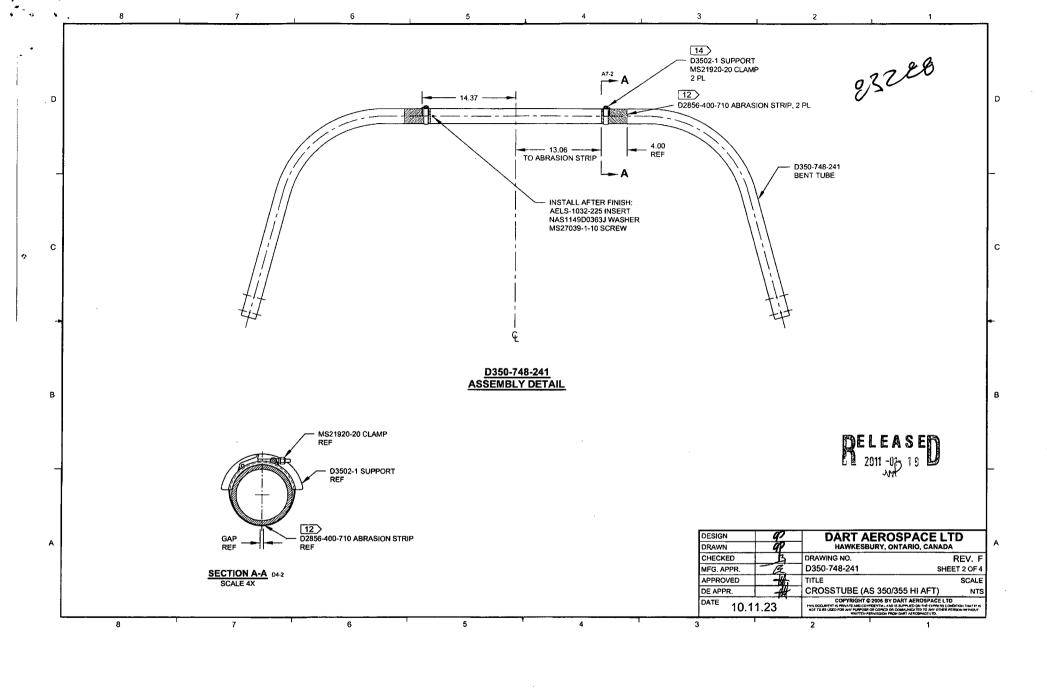
15) MAX TWIST AFTER BENDING: WITH XTUBE LAYED FLAT ON SURFACE, THE DIFFERENCE BETWEEN CUFF HEIGHTS FROM THE SURFACE MAY BE NO LARGER THAN 0.25 (ZN C1-3).

SHOP COPY RETURN TO **ENGINEERING** UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NO....
WORK ORDER
0. 03288 MLJ
12/04/16



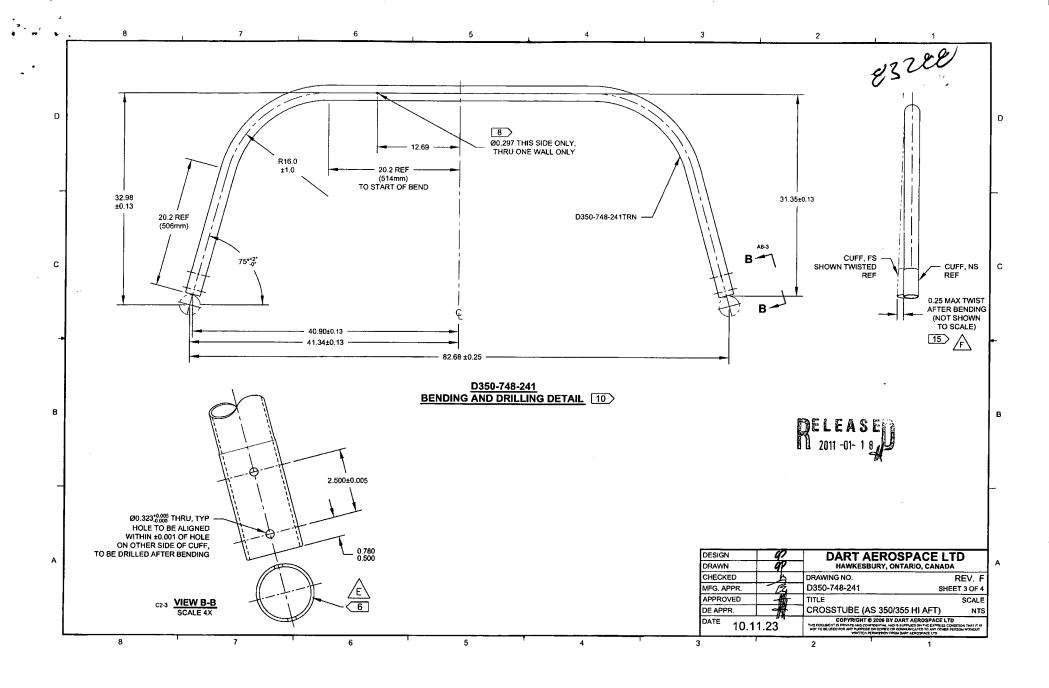
F	TWIST	RC TEST OP LIMIT (A8-1, , STOCK DIM	СР	10.11.23			
E	STAND	E GENERAL I DARDS; REL -3); ADD TO	RF	09.09.30			
D	MAG. F	PARTICLE AN	ND CAD PLATE AS MFD.	CP	06.10.31		
С	ADD C	AD PLATING		CP	06.08.14		
В	ADD D	6018-125 & P	RIME AND PAINT	CP	06.06.30		
A	NEW IS	SSUE	CP	06.03.31			
REV.			DESCRIPTION	BY	DATE		
DESIGN DRAWN		92	DART AEROSP HAWKESBURY, ONTAR				
CHECK	D	4	DRAWING NO.		REV. F		
MFG. APPR.		Ey	D350-748-241 SHEET 1				
APPROVED -		-14	TITLE SÇAI				
DE APPR.			CROSSTUBE (AS 350/355 HI AFT) NTS				
DATE 10.11.23			COPYRIGHT © 2006 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIMATE AND COMPENTAL AND IS SUPPLIED ON THE EXPRESS COMMITTED IT THAT IT IS NOT TO BE USED FOR ANY PAINFACE OR ODEFOR OR COMMUNICATED TO ANY OTHER PERSON WITHOUT				

W/O:			V	VORK ORDER CHAI	NGES				•		
DATE	STEP	PRO	OCEDURE CH	IANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
									7 Too Wigi		
Part No	· •	PAR #:	Fault Ca	tegory:	NCI	R: Yes	No DQ	A:	Date: _		
		esolution: Disposition:									
NCR:			WORK OR	DER NON-CONFOR	MANCE	(NCR)				
DATE	STEP	Description of NC	Corrective Action		Section B	0: 0	Verification		Approval	Approval	
DAIL	JILF	Section A	Initial Chief Eng	Action Descriptio	o n	Sign & Date	Sect	ion C	Chief Eng	QC Inspector	
							-				
											
						•					
······································											

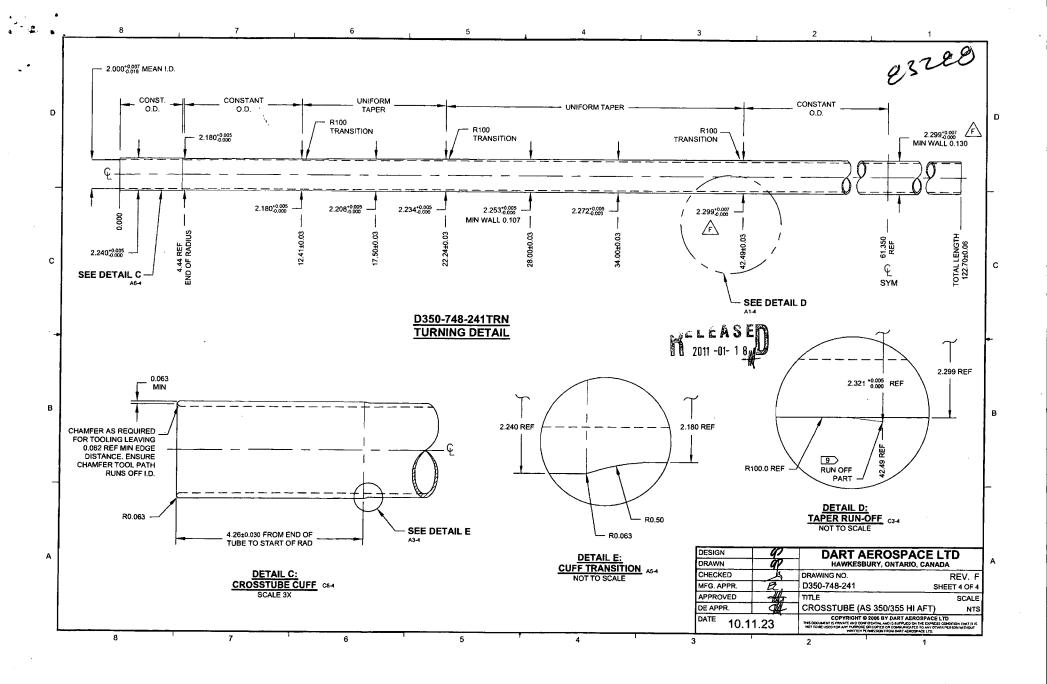


Dart	Aeros	pace	Ltd

W/O:	WORK ORDER CHANGES					GES						
DATE	STEP	PRO	OCEDURE CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
		·										
			· · · · · · · · · · · · · · · · · · ·				_					
Part No	•	PAR #:	Fault Ca	tegory:	NCR: Ye	s No De	QA:	Date: _				
				Disposition: Q				Date:				
NCR:			WORK OR	DER NON-CONFORMA	NCE (NC	R)						
DATE	STEP	Description of NC			on B		fication	Approval	Approval			
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng	Da Da		ction C	Chief Eng	QC Inspector			
-												
							•					
			1									



- 411 70	oopao	y in tu							
W/O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PROCEDURE CHANGE				Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
·									
		·							,
Part No:		PAR #:	Fault Categ	jory:	_ NCR: Yes	A:	Date:		
	R	esolution:	Disposition	:	QA: N/C Closed:			Date:	
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NCR	(1)			
DATE	STEP	Description of NC Section A			ion B	Verific		Approval	Approval
			Initial Chief Eng	Action Description Chief Eng	Date	Section	on C	Chief Eng	QC Inspector



W/O:			WC	RK ORDER CHANG	ES			***	-	
DATE	STEP	PROCEDURE CHANGE				Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Part No	:	PAR #:	Fault Cate	_ NCR: Yes	CR: Yes No DQA: Date:					
	Re	esolution:	Disposition: Q			A: N/C Closed: Date:				
NCR:			WORK ORDE	ER NON-CONFORMA	ANCE (NCF	₹)				
DATE	STEP	Description of NC Section A	Corrective Action Section		on B	Verifica		Approval	Approval	
			Initial Chief Eng	Action Description Chief Eng	Date		n C	Chief Eng	QC Inspector	
-										
		· · · · · · · · · · · · · · · · · · ·								
							:			

Linda Lacelle

From:

David Shepherd <dshepherd@dartaero.com>

Sent:

March-08-12 11:58 PM

To:

'Linda Lacelle'; 'Provencal, Chris'

Cc:

'Pat Smith'; 'Bill Beckett'; 'Mike Petsche'

Subject:

RE: 350 crosstube extrusion

Linda,

Not sure if you heard back from anyone on this, but this makes sense to me.

David

From: Linda Lacelle [mailto:llacelle@dartaero.com]

Sent: March-07-12 7:11 AM

To: <u>dshepherd@dartaero.com</u>; Provencal, Chris **Cc:** Pat Smith; Bill Beckett; 'Mike Petsche' **Subject:** RE: 350 crosstube extrusion

So just to confirm, we can use the old D6018-125's for the afts to deplete this stock?

Thx Linda

From: Linda Lacelle [mailto:llacelle@dartaero.com]

Sent: March-06-12 10:19 AM

To: dshepherd@dartaero.com; 'Mike Petsche' (mpetsche@dartaero.com);

Provencal, Chris

Cc: Pat Smith (psmith@dartaero.com)

Subject: 350 crosstubes

Not sure who direct these ones to:

- 1) We will be finished drilling the last crosstubes shortly, these 7 & 7 will ship today for heat treating. Do we wait before drilling the balance until we receive the first shipment back, or continue on drilling? We probably won't see these first ones back for a couple of weeks, but I'd like to make sure we don't wait until the last minute.
- 2) We currently have 44pcs of D6015-125 in stock, this extrusion does both the fwd and aft 350 crostubes. We also still have 38pcs of D6018-125, which does the aft 350 crosstubes. Should we place an order now to order more D6015-125? Can we use up the balance of the D6018-125's until depleted for all the next afts and use the D6015-125 for the fwds only?

Thank You, Linda Lacelle Production Manager Dart Aerospace Ltd Hawkesbury, ON Phone: 613 632 9577

Fax: 613 632 1053 Cell: 613 676 1655

1 6.18



Certification:

SOLD TO

Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

June 5, 2012

Metlab Shop Order No:

72197

Purchase Order:

16899

Description:

Crosstube

Part No.:

D350-748-141TRN, D350-748-241TRN

Quantity:

7 and 4 Pieces, Respectively

Weight:

500 Pounds

Material:

4130 Alloy Steel

Specifications:

Heat Treat to Minimum 180 KSI (MIL-T-6736OR AMS 2759-IC)

Note:

Need HRC 40 - 45

This is to certify that the above parts were processed as indicated above and conform to the specification requirements.

Results:

HRC 45 (218 KSI Tensile Strength, Converted)

Quality Representative

Mark Podob

MERCURY CONTAMINATION: During the heat treating process, testing and inspections, the product did not come in direct contact with mercury or any of its compounds nor with any mercury containing device.



